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CLAIMS

The following listing of claims is a complete listing of the pending claims, and supersedes all prior versions, and listings, of claims in this application.

LISTING OF CLAIMS

1. (Currently amended) A system for viewing measurements remotely, comprising:

a processor that is connected to a first wireless communications device, the processor and the first wireless communications device being external to an equipment;

wherein the processor is programmed to retrieve, via the first wireless communications device, at least one measurement from a second wireless communications device connected to at least one measurement device ~~via the wireless communications device~~.

2. (Original) The system of claim 1, wherein the measurement represents at least one output from a sensor.

3. (Original) The system of claim 1, further comprising a user interface connected to the processor.

4. (Original) The system of claim 1, wherein the processor is further programmed to configure the measurement device.

5. (Original) The system of claim 1, wherein the processor is further programmed to perform at least one of: displaying data that has been retrieved from the measurement device, analyzing data that has been retrieved from the measurement device, and storing data that has been retrieved from the measurement device.

6. (Previously presented) The system of claim 1, wherein the processor is included in a computer that is selected from the group consisting of a custom-designed computing device,

a desktop personal computer, a laptop personal computer, a handheld computer, and a java-enabled portable computing device.

7. (Original) The system of claim 1, further comprising a wireless network.

8. (Original) The system of claim 7, wherein the wireless communications device sends signals to the measurement device via the wireless network.

9. (Original) The system of claim 7, wherein the measurement device sends signals to the wireless communications device via the wireless network.

10. (Original) The system of claim 1, wherein the measurement device is selected from the group consisting of a gauge and a transducer.

11. (Previously presented) The system of claim 1, wherein the wireless communications device is selectively attached to at least one second measurement output device.

12. (Previously presented) A system comprising:

at least one sensor that provides at least one output related to a component in an equipment; and

at least one measurement device comprising a processor programmed to (1) receive as an input the output from the sensor and (2) wirelessly communicate with a remote device that is external to the equipment.

13. (Original) The system of claim 12, wherein the processor is further programmed to convert the input to a measurement.

14. (Original) The system of claim 12, wherein the input comprises at least one analog signal.

15. (Original) The system of claim 14, wherein the analog signal is in a range from zero to approximately 5 volts.

16. (Original) The system of claim 14, wherein the analog signal is in a range from approximately four to approximately twenty milliamps.

17. (Original) The system of claim 12, wherein the input comprises at least one digital signal.

18. (Original) The system of claim 12, wherein the processor is further programmed to use a scaling function.

19. (Original) The system of claim 12, further comprising a wireless network.

20. (Original) The system of claim 19, wherein the remote device sends signals to the measurement device via the wireless network.

21. (Original) The system of claim 19, wherein the measurement device sends signals to the remote device via the wireless network.

22. (Original) The system of claim 12, wherein the measurement device is selected from the group consisting of a gauge and a transducer.

23. (Original) The system of claim 12, wherein the measurement device comprises a second wireless communications device that is capable of being attached to at least one second measurement output device.

24. (Original) The system of claim 12, wherein the processor is further programmed to receive configuration information from the remote device.

25. (Original) The system of claim 12, wherein the remote device is selected from the group consisting of a custom-designed computing device, a desktop personal computer, a laptop personal computer, a handheld computer, or a Java-enabled portable computing device.

26. (Previously presented) A system for viewing measurements remotely, comprising:

a first processor that is connected to a wireless communications device;

at least one sensor that provides at least one output related to a component in an equipment; and

at least one measurement device comprising a second processor programmed to (1) receive an input from the sensor and (2) wirelessly communicate with the first processor,

wherein the first processor is external to the equipment and is programmed to retrieve measurements from the measurement device via the wireless communications device.

27. (Previously presented) The system of claim 26, wherein the component is a component in a vehicle.

28. (Previously presented) The system of claim 26, wherein the at least one sensor is a plurality of sensors.

29. (Previously presented) The system of claim 26, wherein the at least one measurement device is a plurality of measurement devices.

30. (Previously presented) The system of claim 1, wherein the measurement relates to a component in the equipment.

31. (Previously presented) The system of claim 1, wherein the equipment is a vehicle.

32. (Previously presented) The system of claim 12, wherein the component is a component in a vehicle.

33. (Previously presented) The system of claim 12, wherein the at least one sensor is a plurality of sensors.

34. (Previously presented) The system of claim 12, wherein the at least one measurement device is a plurality of measurement devices.

35. (Previously presented) The system of claim 1, wherein the at least one measurement device is selectively detachably connected to a component in the equipment.

36. (Previously presented) The system of claim 12, wherein the at least one measurement device is selectively detachably connected to the component.

37. (Previously presented) The system of claim 26, wherein the at least one measurement device is selectively detachably connected to the component.